

UNION PACIFIC RAILROAD COMPANY
ENGINEERING DEPARTMENT



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March 27, 1987

Environmental Protection - Nevada

Mr. Doug Zimmerman
Groundwater Protection Specialist
Department of Conservation and
Natural Resources
201 Southfall Street
Carson City, Nevada 89710

DOCUMENT SOURCE STAMP
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Dear Mr. Zimmerman:

RE: Las Vegas Yard Groundwater Investigation

As presented in our Hydrogeologic Investigation Plan,
we are submitting Task 3: Site Investigation Report for your
review.

We appreciate your taking the time to be on-site
during the drilling of the monitoring wells. Any questions
concerning this submittal should be directed to Gary Papek on
(402) 271-4972.

Yours truly,

S. J. McLaughlin
S. J. McLAUGHLIN

gap/p2-8

UNION PACIFIC REVIEW AND RECOMMENDATION

We have reviewed the data compiled for Task I. One discrepancy found was the location of a new westbound fuel line used to replace an old line which failed in February, 1985. Both lines are noted on the attached updated Yard Map. Otherwise, we found nothing new to add to Task I information.

Since our diesel spill in September 1986, we have reviewed our diesel fueling operations at Las Vegas. We are confident in the integrity of fuel delivery systems. They are relatively new and visible to malfunction. One important addition will be the installation of an automatic shut-off on the pipeline supply to prevent overfilling of our diesel oil storage tanks.

During this investigation, we have identified areas where oil spillage has occurred but are unable to estimate the quantity or extent of contamination. The area around the Union Plaza probably is experiencing off-site migration of diesel oil from our past fueling activities.

The analytical results for TPHC reported in the Western Technologies Report generally reflect on-site observations during the drilling of the monitoring wells. Groundwater analysis of B-4 and B-5 found only a small presence of toluene.

At this time we have no recommendations on how to continue the groundwater investigation. We ask you to review our Task results and apply them to your criteria in determining any need for additional investigation or monitoring.

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TASK 3: SITE INVESTIGATION REPORT

On January 26 and 27, 1987, 5 monitoring wells were installed on Union Pacific Railroad Company property. Monitoring well locations were field located by Mr. Doug Zimmerman, Groundwater Protection Specialist, Department of Conservation and Natural Resources and Mr. Gary Papek, Waste Treatment Engineer, Union Pacific Railroad Company.

Attached are the following:

- . Updated Yard Map showing monitoring well locations.
- . Western Technologies Project Report.
- . Union Pacific Review and Recommendation.

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